

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/601,713
Source: 1FJ/6
Date Processed by STIC: 9/9/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05



IFW16

RAW SEQUENCE LISTING

DATE: 09/09/2005

PATENT APPLICATION: US/10/601,713

TIME: 10:24:36

Input Set : A:\5328-12.app

Output Set: N:\CRF4\09092005\J601713.raw

3 <110> APPLICANT: KOIZUMI, TAKESHI
 4 HAMANO, YOKO
 5 YAMAMOTO, SATOSHI
 7 <120> TITLE OF INVENTION: PROCESS FOR IMPROVING EFFICIENCY OF DNA AMPLIFICATION
 8 REACTION
 10 <130> FILE REFERENCE: 5328-12
 12 <140> CURRENT APPLICATION NUMBER: 10/601,713
 13 <141> CURRENT FILING DATE: 2003-06-20
 15 <150> PRIOR APPLICATION NUMBER: JP 2002-003912
 16 <151> PRIOR FILING DATE: 2002-01-10
 18 <160> NUMBER OF SEQ ID NOS: 4
 20 <170> SOFTWARE: PatentIn Ver. 3.3
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 20
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Artificial Sequence
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 29 oligonucleotide
 31 <400> SEQUENCE: 1
 32 aagaagacct agaagatgat 20
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 18
 37 <212> TYPE: DNA
 38 <213> ORGANISM: Artificial Sequence
 40 <220> FEATURE:
 41 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 42 oligonucleotide
 44 <400> SEQUENCE: 2
 45 gttaccagta atagggca 18
 48 <210> SEQ ID NO: 3
 49 <211> LENGTH: 21
 50 <212> TYPE: DNA
 51 <213> ORGANISM: Artificial Sequence
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 55 oligonucleotide
 57 <220> FEATURE:
 58 <221> NAME/KEY: modified_base
 59 <222> LOCATION: (7)
 60 <223> OTHER INFORMATION: a, c, t or g
 62 <220> FEATURE:
 63 <221> NAME/KEY: modified_base

Does Not Comply
Corrected Diskette Needed

P.2

RAW SEQUENCE LISTING

DATE: 09/09/2005

PATENT APPLICATION: US/10/601,713

TIME: 10:24:36

Input Set : A:\5328-12.app

Output Set: N:\CRF4\09092005\J601713.raw

64 <222> LOCATION: (15) (16) "g" is at location 15
 65 <223> OTHER INFORMATION: a, c, t or g
 67 <220> FEATURE:
 68 <221> NAME/KEY: modified_base
 69 <222> LOCATION: (18) (19) "c" is at location 18
 70 <223> OTHER INFORMATION: a, c, t or g
 72 <400> SEQUENCE: 3
 W--> 73 yatgmngar atgggna~~ng~~ t 21
 76 <210> SEQ ID NO: 4
 77 <211> LENGTH: 21
 78 <212> TYPE: DNA
 79 <213> ORGANISM: Artificial Sequence
 81 <220> FEATURE:
 82 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 83 oligonucleotide
 85 <220> FEATURE:
 86 <221> NAME/KEY: modified_base
 87 <222> LOCATION: (1)
 88 <223> OTHER INFORMATION: a, c, t or g
 90 <220> FEATURE:
 91 <221> NAME/KEY: modified_base
 92 <222> LOCATION: (7)
 93 <223> OTHER INFORMATION: a, c, t or g
 95 <400> SEQUENCE: 4
 W--> 96 ngcytcnacc atytcy~~tt~~ t 21

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 09/09/2005

PATENT APPLICATION: US/10/601,713

TIME: 10:24:37

Input Set : A:\5328-12.app

Output Set: N:\CRF4\09092005\J601713.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 7,16,19

Seq#:4; N Pos. 1,7

VERIFICATION SUMMARY

DATE: 09/09/2005

PATENT APPLICATION: US/10/601,713

TIME: 10:24:37

Input Set : A:\5328-12.app

Output Set: N:\CRF4\09092005\J601713.raw

L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0

L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0